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the **tree-structured wavelet transform** used in [6]. The key point in our approach is that we no longer .... Referring to the **tree structure**, the **node** (0,0) represents the logarithm of ... each **node** has either no **offspring** (the leaves) or four **offspring**, .... **Tree-structured coding**: The **wavelet coefficients** in the ...

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Since S.Mallat first applied **wavelet transformation** to image compression, ... of coordinates of all the **offspring** of the **node** ( , ) i j (four children **nodes**). ... The **tree structure** of (b) sizes of FD **map** LZC algorithm and FC **map** Fig 2. ... We know that **wavelet coefficients** with low value have little influence on ...

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the discrete cosine **transform** (DCT) to the **wavelet coefficients** in the highest ... excluding the immediate four **offspring** of the **node**. ... Its coding **structure** and exploiting strategy are based on **zero-tree** root. .... Ulug Bayazit: Significance **map** pruning and other enhancements to SPIHT image coding algorithm. ...

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successively .... **Tree structure: Node** corresponds to a pixel and is identified by a ... set of  
coordinates of all **offspring of node** (i,j); ...  
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approach for ECG compression using **wavelet transform** and ... of setting the value of  
**coefficient to zero** if the absolute value .... parent-**offspring** orientation **tree** in order to  
exploit the spatial self-similarity property of **wavelet coefficients** across subbands. The  
property implies that if a **node coefficient** is ...  
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Fourier **transform**: excellent localization in frequency, non in ... EZW uses the fact that  
there are **wavelet coefficients** in ... (positive or negative) or isolated **zero** or **zero tree**  
(unless the ... Descendant include the **offspring**, **offspring** of the **offspring** and so on. • H:  
set of all root **nodes** ...  
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